

Trestle Energy LLC

Input Parameters to Model CI impacts of the CERC Pathway using the Trestle-Modified CA-GREET model

The applicant conducted its analysis of direct effects on carbon intensity (“CI”) for the CERC pathway using a modified version of the CA-GREET, v.1.8b model. This version, referred to as the Trestle-Modified CA-GREET model, includes a supplemental worksheet, which comprises confidential business information. The standard inputs and parameters specified in CA-GREET 1.8b are not changed; however, the supplemental worksheet does include some additional parameter values that are used to compute the CI impacts of CERC pathways. Additional parameters used to calculate CI impacts are consolidated in the input table below.

The input table indicates the location of each parameter within the supplemental worksheet of the Trestle-Modified CA-GREET model. The table also specifies units and a description for each additional parameter. Input values that comprise confidential business information are not disclosed.

Table 1. Input table of parameters used to compute CI impacts of CERC pathways.

User-defined inputs			comments
Description	Pathway value	Units	
Total baled residue transport distance	Confidential Business Information	miles	
Residue co-product format	Confidential Business Information	N/A	
Process fuel	Confidential Business Information	N/A	
Post-processing transport mode	Confidential Business Information		
Post-processed residue transport distance	Confidential Business Information	miles	
Stover utilization rate	Confidential Business Information	%	
Pathway-specific model parameters			

Grain mass ratio	Confidential Business Information	Kg/kg	
Dry grain mass	21.5	Kg/bu	
Field N emitted as N ₂ O-N	1.30%	gN ₂ O/gN	
Energy for processing	Confidential Business Information	kWh/ton	
Energy for transportation	Confidential Business Information	Btu/ton-mile	"T&D" sheet, CA-GREET 1.8b
Boiler efficiency reduction for residue	-2%	N/A	Difference in efficiency
Coal plant emission factors	default	g/kWh	"Electric" sheet, CA-GREET 1.8b